



T96 series TCXO

10.0 MHz to 100.0 MHz

Rev. B

GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

Very Rugged TCXO
Low Noise

SPECIFICATIONS

Frequency	10.0 MHz to 100.0 MHz		
Output	Squarewave, CMOS		
Supply Voltage	T96 - +3.3 VDC \pm 5%		
	T97 - +5.0 VDC \pm 5%		
Supply Current	< 50mA		
Symmetry	50% \pm 10%		
Load	10 to 20pF		
Output Level	Low - 0 to +0.1V max; High - +2.8V min (T96), +4.2V min (T97)		
Temp Stability	Temp Range	Tolerance	Option
	0 to +70°C	\pm 0.3ppM	K37
	-20 to +70°C	\pm 0.5ppM	N57
	-40 to +85°C	\pm 0.5ppM	T57
	-40 to +85°C	\pm 1.0ppM	T16
	-55 to +95°C	\pm 1.0ppM	V16

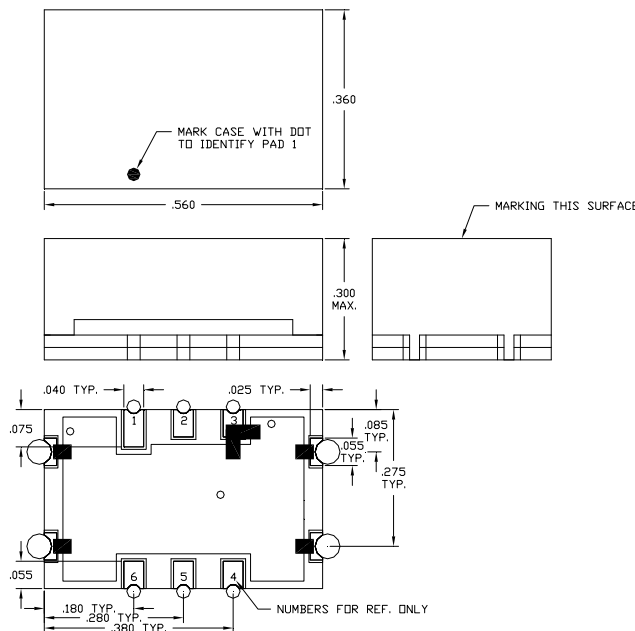
Reflow Shift	<2.0ppM
Aging	<1 ppM/yr
Freq Adjust	\pm 5 ppM typ via 0 to V _{CC} control V, positive slope
Input Impedance	50k ohms min
Phase Noise	

	Offset	10MHz typ	100MHz typ
10Hz		-90 dBc/Hz	-70 dBc/Hz
100Hz		-115	-95
1kHz		-135	-115
10kHz		-150	-125
100kHz		-155	-125

Size 0.56 (14.22mm) x 0.36 (9.15mm) x 0.3 (7.62mm) - LWH
Environmentals this part can be screened to MIL-PRF-55310, Class B, except for seal test

Pad Connections

- 1 - EFC
- 2 - VRef or N/C
- 3 - 0 V & Case Gnd
- 4 - Output
- 5 - N/C
- 6 - VSupply



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